SCRUM Report to GEBCO Guiding Committee

Vicki Ferrini, LDEO

Busan, Republic of Korea **November 16, 2017**

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Dr. Suzanne Carbotte
Dr. Sihai Li

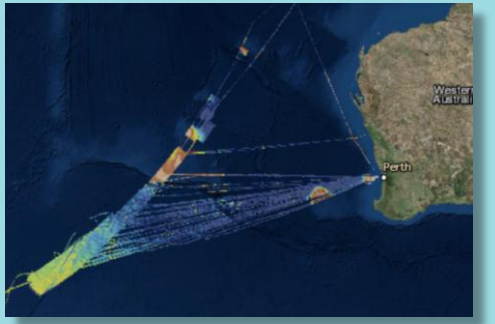
**present at 2017 TSCOM/SCRUM joint meeting (8 out of 21 members)*

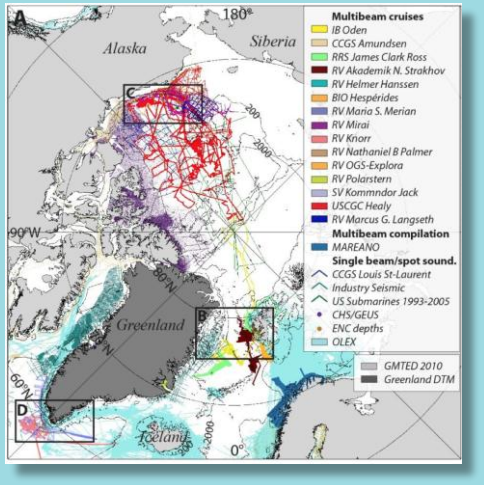
2017 SCRUM Meeting

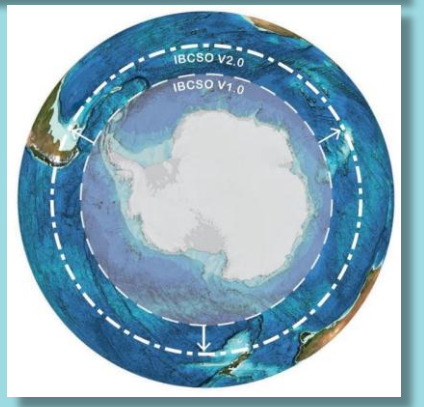
- Held jointly with TSCOM November 13-14, 2017, in the Sicily Room, Paradise Hotel, Busan
- Reports on Regional Mapping and Engagement
- Integrated Breakout sessions with TSCOM to discuss:
  - Needs/Plans for TSCOM, SCRUM, and OWG
  - Input from TSCOM and SCRUM to Seabed 2030
  - Plenary Discussion on Outreach
  - Combined report to be submitted 11/17/2017

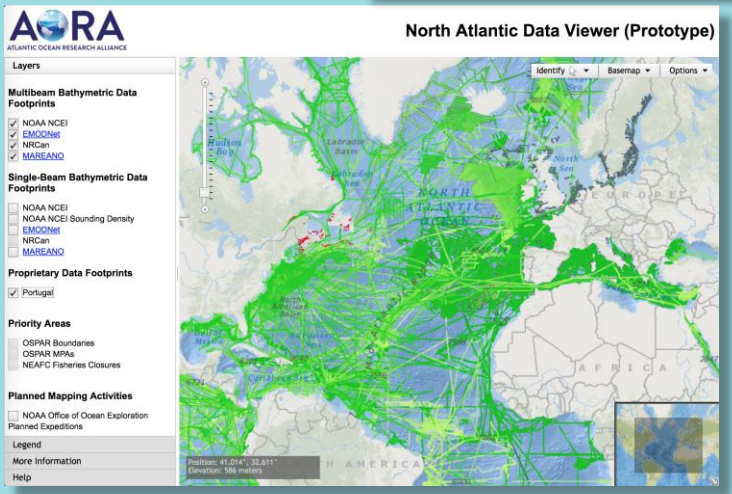
2017 SCRUM Regional Mapping Highlights

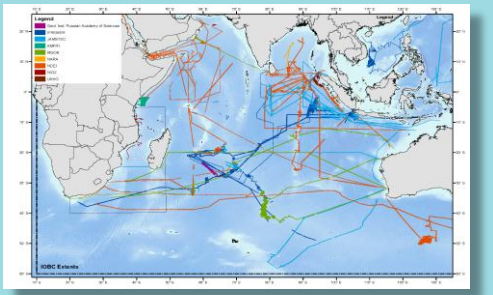
- Arctic (IBCAO) & Northern Pacific [SB2030 RDACC]
- Southern Ocean (IBCSO) [SB2030 RDACC]
- Indian Ocean [SB2030 RDACC]
  - MH370
  - IOBC
  - Arabian Plate
- Atlantic Ocean [SB2030 RDACC]
  - AORA
  - EMODnet
- S & W Pacific Ocean [SB2030 RDACC]
- Canadian Hydrographic Service
- GMRT











Seabed 2030

- Contributed to Seabed 2030 Roadmap
  - *Released June 2017*
  - Seabed 2030 Announced *June 2017*
- SCRUM/Regional Mapping is the basis of Seabed 2030 RDACCs

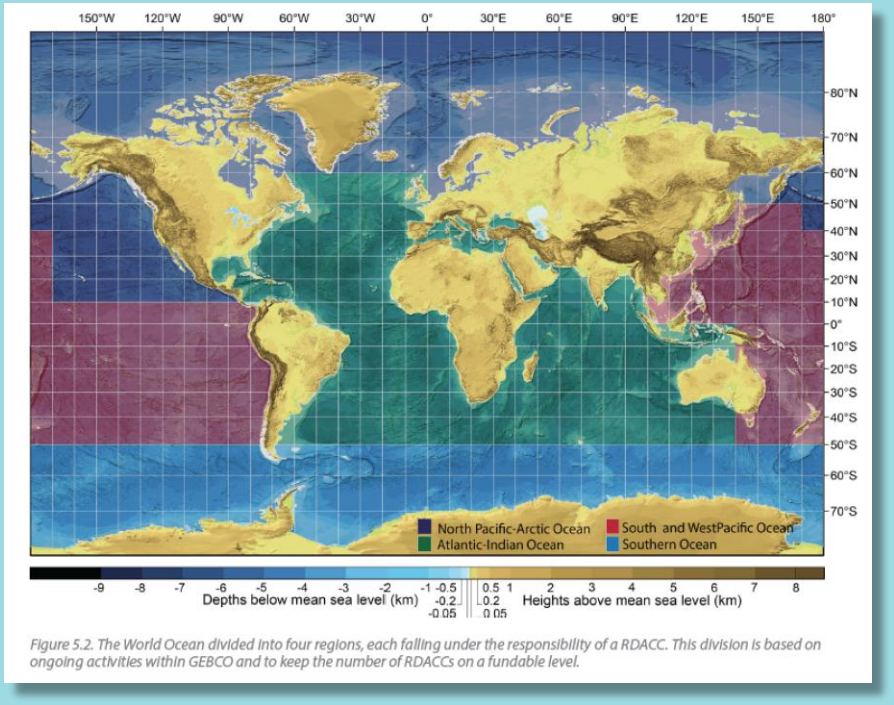
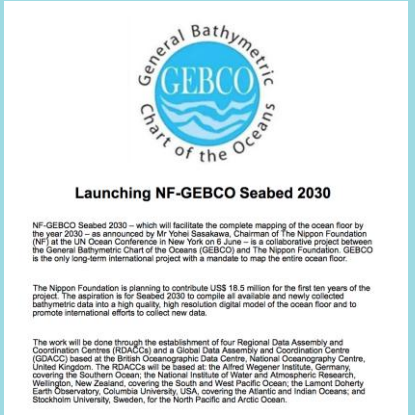


Figure 5.2. The World Ocean divided into four regions, each falling under the responsibility of a RDACC. This division is based on ongoing activities within GEBCO and to keep the number of RDACCs on a fundable level.

Yohei Sasakawa announces the launch of Seabed 2030 at the Oceans 8 award ceremony



Launching NF-GEBCO Seabed 2030

NF-GEBCO Seabed 2030 – which will facilitate the complete mapping of the ocean floor by the year 2030 – as announced by Mr Yohei Sasakawa, Chairman of The Nippon Foundation (NF) at the UN Ocean Conference in New York on 8 June – is a collaborative project between the General Bathymetric Chart of the Oceans (GEBCO) and The Nippon Foundation. GEBCO is the only long-term international project with a mandate to map the entire ocean floor.

The Nippon Foundation is planning to contribute US$ 18.5 million for the first ten years of the project. The aspiration is for Seabed 2030 to compile all available and newly collected bathymetric data into a high quality, high resolution digital model of the ocean floor and to promote international efforts to collect new data.

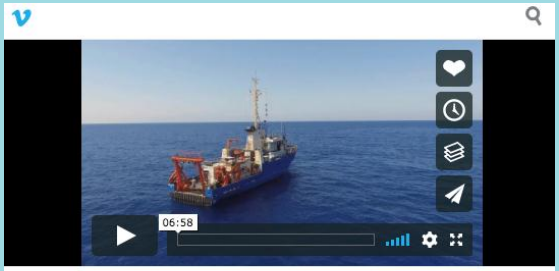
The work will be done through the establishment of four Regional Data Assembly and Coordination Centres (RDACCs) and a Global Data Assembly and Coordination Centre (GDACC) based at the British Oceanographic Data Centre, National Oceanography Centre, United Kingdom. The RDACCs will be based at: the Alfred Wegener Institute, Germany, covering the Southern Ocean; the National Institute of Water and Atmospheric Research, Wellington, New Zealand, covering the South and West Pacific Ocean; the Lamont Doherty Earth Observatory, Columbia University, USA, covering the Atlantic and Indian Oceans; and Stockholm University, Sweden, for the North Pacific and Arctic Ocean.

United Nations Educational, Scientific and Cultural Organization
Intergovernmental Oceanographic Commission

2017 Regional Engagement Highlights

- Global Seabed Mapping Panel at MTS/IEEE Oceans Conference
- Online course and discussion about seabed mapping
- Upcoming 2017 Fall American Geophysical Union
  - 7 sessions (5 oral) + side meeting
  - Video from FOFM submitted to competition & may be screened at conference

> 200 participants



> 4,500 views

General Bathymetric Chart of the Oceans GEBCO
United Nations Educational, Scientific and Cultural Organization
Intergovernmental Oceanographic Commission

SCRUM Highlights from Breakout Sessions

- Should pursue both *active* and *passive* strategies for soliciting data contributions
- To ensure that we effectively engage regionally, SCRUM membership should include:
  - NF-GEBCO Alumni
  - Representation from each SB2030 RDACC
- Need for additional SCRUM interactions throughout year
- Refresh communication/collaboration tools
  - Updated SCRUM mailing list
  - Online collaborative tools
  - Shared Google Calendar
  - Web form to gather information about potential data contributions

SCRUM Workplan

- Ongoing activities
  - SCRUM Meeting
  - Encourage contribution of data to IHO DCDB
  - Identify priority areas and support organization of regional mapping projects
  - Promote data contribution through RHCs meetings
  - Maintain IHO bathymetric publications
  - Support participation in Regional Mapping Meetings
- New
  - Facilitate contribution of information about available data and potential data sources by deploying a web form
  - Facilitate communication through collaborative tools and at least one virtual meeting
  - Support SB2030 RDACCs through scientific expertise, regional connections, and outreach support

Task	Work item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs/Standard	Funding Bid (€)	GGC Decision
B	Ensure conduct of annual SCRUM meeting and one virtual meeting	H		2018	2018	P	Chair SCRUM			
D1	Encourage the contribution of bathymetric data to the IHO DCDB	H		Continuous		O	All members of GEBCO GC through the Chair			
D2	Identify priority areas for regional mapping and support the organization of regional mapping projects.	H		Continuous		O	Chair SCRUM			
D3	Promote data contribution through GEBCO participation in RHCs meetings	H	Identify GEBCO colleagues who are able to attend meetings in 2018 – 2019	Continuous		O	All members of GEBCO GC through the Chair		5,000	
D4	Facilitate contribution of information about available data	H	Deploy web form for contributions of information about available data and contributors	2017	2018	P	Chair SCRUM			
D5	Support participation at Regional Mapping Meetings – Capacity Building	H	Provide partial support, as needed, for individuals to participate in regional mapping meetings	2018	2018	P	Chair SCRUM		5,000	
E	Maintain IHO bathymetric publications	M	Update GEBCO global 30 arc-second grid with new compilations	Continuous	Continuous	O	All members of GEBCO GC through the Chair	B-4 - Information concerning recent bathymetric data		
		H		2016	2017	O	Chair SCRUM	B-9 - GEBCO digital atlas		
		M	Update GEBCO World Map to included updated versions of GEBCO grid and adopted undersea feature names from SCUFN.	2017	2018	O	Chairs SCRUM/SCUFN	B-6 – Standardization of undersea feature names B-8 - Gazetteer B-9 - GEBCO digital atlas		
		L						B-10 - The history of GEBCO		
		M						B-11 - GEBCO Cookbook		
F	Support SB2030 RDACCs	H	Provide scientific expertise, regional connections and outreach support	2018	2030	P	Chairs of TSCOM, SCRUM SCUFN, Outreach WG			